

COMPLETE COPY OF ALL APPLICATION CLAIMS

1. (currently amended) ~~A trunnion assembly for~~ In a mortar mixer including a trunnion assembly and a substantially cylindrical drum having end plates and an elongate paddle shaft having a uniform diameter mounted horizontally and extending through an opening in one ~~into a bearing through each drum end~~ [[and]] plate into a bearing carried by said trunnion assembly, said trunnion assembly comprising a housing attached outwardly of said end plate and having all components of said trunnion assembly disposed outwardly of said end plate, said housing having an interior space defined by an interior surface around [[such]] said shaft, a first seal means adjacent [[an]] said end plate and positioned around [[such]] and engaged with said shaft, first mounting means for affixing said first seal means between [[such]] said shaft and said interior surface, a second seal means spaced outwardly from said first seal and positioned around [[such]] and engaged with said shaft, second mounting means for affixing said second seal between [[such]] said shaft and said interior surface, said first and second seal means partitioning a portion of said interior space to define a first chamber for carrying grease, said second seal means being spaced away from ~~a shaft~~ said bearing to partition a second portion of said interior space to define a second chamber for carrying grease, said housing including a first grease passageway for providing grease into said first chamber and a second grease passageway spaced away from said first grease passageway for providing grease into said second chamber to grease said bearing and inhibit egress of mortar to said bearing, said first and second grease passageways being separate, distinct and non-communicating with each other such that said first and second chambers are individually periodically greased respectively from said first and second grease passageways.

2. (currently amended) The trunnion assembly as defined in Claim 1 wherein said first seal means includes a plurality of resilient seal elements, each said seal element having one end portion in contact with [[such]] said shaft.

3. (currently amended) The trunnion assembly as defined in Claim 2 wherein said second seal means includes a single resilient seal element, said single seal element having one end portion in contact with ~~[[such]]~~ said shaft.

4. (currently amended) The trunnion assembly as defined in Claim 1 wherein said second seal means includes a resilient seal element, said seal element having one end portion in contact with ~~[[such]]~~ said shaft.

5. (cancelled).

6. (currently amended) ~~A pair of trunnion assemblies for the paddle shaft of~~ In a mortar mixer including a pair of spaced trunnion assemblies and a paddle shaft extending therebetween and a substantially cylindrical drum having end plates, each said trunnion assembly comprising a housing attached to respective said end plate and having all components of said trunnion assembly disposed outwardly of respective said end plate, said housing having an interior space defined by an interior surface ~~comprising a housing, said housing having an interior space defined by an interior surface~~ around ~~[[such]]~~ said shaft, a first seal means adjacent ~~[[an]]~~ one said end plate and positioned around ~~[[such]]~~ and in contact with said shaft, first mounting means for affixing said first seal means between ~~[[such]]~~ said shaft and said interior surface, a second seal means spaced outwardly from said first seal means and positioned around ~~[[such]]~~ and in contact with said shaft, second mounting means for affixing said second seal means between ~~[[such]]~~ said shaft and said interior surface, said first and second seal means partitioning a portion of said interior space to define a first chamber for carrying grease to grease said bearing, said second seal means being spaced away from ~~[[a]]~~ said shaft bearing to partition a second portion of said interior space to define a second chamber for carrying grease, each said housing including a pair of spaced grease fittings through which grease is periodically supplied, a first passageway communicating between one of said grease fittings and said first chamber and a second passageway communicating ~~between one of said grease fittings and said first chamber and a second passageway communicating between another of~~ said grease fittings and said second chamber, said

grease passageways being separate, distinct and non-communicating such that said chambers are individually greased via respective said grease fittings.

7. (currently amended) The trunnion assemblies as defined in Claim 6 wherein said first seal means includes a plurality of resilient seal elements, each said seal element having one end portion in contact with ~~[[such]]~~ said shaft.

8. (currently amended) The trunnion assemblies as defined in Claim 7 wherein said second seal means includes a single resilient seal element, said single seal element having one end portion in contact with ~~[[such]]~~ said shaft.

9. (currently amended) The trunnion assemblies as defined in Claim 6 wherein said second seal means includes a resilient seal element, said seal element having one end portion in contact with ~~[[such]]~~ said shaft.

10. (cancelled).

11. (currently amended) An improved trunnion and shaft assembly that includes a housing ~~including having~~ a first and second end portion and an interior cylindrical space for receiving a shaft medially therethrough ~~interior surface for a~~ said shaft having a uniform diameter and a bearing mounted in said second portion for ~~[[a such]]~~ said shaft, the improvement comprising a first seal means adjacent said first end portion and ~~positioned~~ engagable with and around ~~[[such]]~~ said shaft, said first seal means including at least one first seal element and mounting means for mounting said at least one seal element to said interior surface of said housing ~~and in contact with such shaft,~~ a second seal means within said housing and engagable with and around a shaft, said second seal means being spaced away from said first seal means, said second seal means including at least one second seal element and mounting means for mounting said at least one second seal element to said interior surface of said housing, said at least one first seal element and said at least one second seal element defining a first chamber for carrying ~~lubricating material~~ grease therein to grease said bearing, a

~~portion of said interior space between~~ said at least one second seal element and a bearing mounted in another said end portion defining a second chamber for carrying ~~lubricating material~~ grease therein, ~~said housing including~~ a first grease fitting and a first passageway communicating between said first grease fitting and said first chamber and a second grease fitting spaced away from said first grease fitting and a second passageway spaced away from said first passageway communicating between said second grease fitting and said second chamber, said grease fittings being adapted to receive grease periodically therethrough to provide grease into respective said first and second chambers.

12. (currently amended) The trunnion assembly as defined in Claim 11 wherein said first seal means includes a plurality of resilient seal elements, each said seal element having one end portion in contact with ~~[[such]]~~ said shaft.

13. (currently amended) The trunnion assembly as defined in Claim 12 wherein said second seal means includes a single resilient seal element, said single seal element having one end portion in contact with ~~[[such]]~~ said shaft.

14. (currently amended) The trunnion assembly as defined in Claim 11 wherein said second seal means includes a resilient seal element, said seal element having one end portion in contact with ~~[[such]]~~ said shaft.

15. (cancelled).

16. (currently amended) Improved trunnion and shaft assemblies for a rotatable mortar mixing apparatus, each trunnion assembly including a housing including having a first and second end portion and an interior space defined by an interior surface of said housing and ~~[[for]]~~ a shaft extending therethrough supported by ~~[[and]]~~ a bearing mounted in each said second end portion ~~for such shaft~~, the improvement comprising a first seal means within said housing and adjacent said first end portion and ~~positioned~~ positionable in contact around ~~[[such]]~~ said shaft, said first seal means including at least

two first seal elements and mounting means for mounting each said first seal element to said interior surface ~~and in contact with such shaft of said housing~~, a second seal means within said housing and engagable with and around said shaft spaced away from said first seal means, said second seal means including at least one second seal element and mounting means for mounting said at least one second seal element to said interior surface of said housing and in contact with ~~[[such]]~~ said shaft, ~~a portion of said interior space between~~ said at least one first seal element and said at least one second seal element defining a first chamber for carrying ~~lubricating material~~ grease therein, ~~a portion of said interior space between~~ said at least one second seal element and a bearing mounted in another said end portion defining a second chamber for carrying ~~lubricating material~~ grease therein to grease said bearing, ~~each said housing including~~ a pair of spaced grease fittings and a pair of elongated spaced passageways respectively connecting said grease fittings with said first and second chambers said grease fittings being adapted to receive grease periodically therethrough to provide grease into respective said first and second chambers.

17. (currently amended) The trunnion assemblies as defined in Claim 16 wherein said first seal means includes three resilient seal elements, each said seal element having one end portion in contact with ~~[[such]]~~ said shaft.

18. (currently amended) The trunnion assemblies as defined in Claim 17 wherein said second seal means includes a single resilient seal element, said single seal element having one end portion in contact with ~~[[such]]~~ said shaft.

19. (currently amended) The trunnion assemblies as defined in Claim 16 wherein each said first seal element includes a resilient member, said member having one end portion in contact with ~~[[such]]~~ said shaft.

20. (cancelled).